

## INTERNATIONAL SEARCH REPORT

Rec'd PCT/PTO 15 OCT 2004  
PCT/EP 03/04182A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 F16N39/08 F01M5/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16N F01M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 921 239 C (DAIMLER BENZ AG) 13 December 1954 (1954-12-13) column 1, line 11 -column 3, line 6; figure 1 ---	1, 13
A	GB 588 712 A (POWER JETS LTD; DANIEL NORMAN WALKER) 2 June 1947 (1947-06-02) column 1 -column 2; figure 1 ---	1, 13
A	PATENT ABSTRACTS OF JAPAN vol. 017, no. 392 (M-1450), 22 July 1993 (1993-07-22) & JP 05 071328 A (YAMAHA MOTOR CO LTD), 23 March 1993 (1993-03-23) abstract --- -/--	1, 13

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

18 August 2003

Date of mailing of the international search report

29/08/2003

Name and mailing address of the ISA

European Patent Office, P.O. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Vedoato, L

## INTERNATIONAL SEARCH REPORT

PCT/EP 03/04182

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 006, no. 232 (M-172), 18 November 1982 (1982-11-18) & JP 57 134098 A (IDEMITSU KOSAN KK), 19 August 1982 (1982-08-19) abstract ----	1, 13
A	PATENT ABSTRACTS OF JAPAN vol. 012, no. 191 (C-501), 3 June 1988 (1988-06-03) & JP 62 294628 A (IDEMITSU KOSAN CO LTD), 22 December 1987 (1987-12-22) abstract ----	4
A	PATENT ABSTRACTS OF JAPAN vol. 012, no. 181 (C-499), 27 May 1988 (1988-05-27) & JP 62 289533 A (IDEMITSU KOSAN CO LTD), 16 December 1987 (1987-12-16) abstract -----	4

## INTERNATIONAL SEARCH REPORT

PCT/EP 03/04182

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 921239	C	13-12-1954	NONE	
GB 588712	A	02-06-1947	NONE	
JP 05071328	A	23-03-1993	NONE	
JP 57134098	A	19-08-1982	JP 1453199 C JP 62061838 B	10-08-1988 23-12-1987
JP 62294628	A	22-12-1987	JP 1780955 C JP 4068293 B	13-08-1993 02-11-1992
JP 62289533	A	16-12-1987	JP 1787241 C JP 4075895 B	10-09-1993 02-12-1992